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Declass Review by NGA.

FY-69

QUARTERLY REPORT

No. 2

30 November 1968

(1 September - 30 November 1968)

Prepared by:

[Redacted Signature Box]

25X

Approved by:

[Redacted Signature Box]

Date: 18 December 1968

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SECTION I

INTRODUCTION

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30 Nov 68

PROGRAM OBJECTIVE

To investigate through studies, tests, and the fabrication and use of engineering breadboard equipment, new methods or devices which will further the state of the art in photographic techniques and practices as it pertains to improved extraction of collected intelligence information from photographic materials.

-1-

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30 Nov 68

SUMMARY

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1. This Contract FY-69 Quarterly Report No. 2 is submitted in lieu of the November 1968 Monthly Report and covers progress for the months of September, October, and November 1968.

2. Detailed reports on approved, active PARs are found in Section II of this report.

-2-

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30 Nov 68

DISCUSSION

3. PAR Status. The table below lists all PARs in numerical order for ready reference, and the title (condensed in some cases) and status of each.

PAR	Title	Status
201	Travel and Liaison	Active
202/ 224	☐ Precision Enlarger/* 3X - 15X Enlarger	Completed/TWX 6351 dtd 21 Jan 66
203	Rapid Access Printer	Completed 4 Aug 65
204	Contact Chip Printer	Termination Rpt completed 27 Jan 65
205	Precision 4X Enlarger	Termination Rpt completed 27 Jan 65
206	Reversal Processing Study	Completed 21 May 65
207	Contact Printer Study	Completed 6 Apr 66
208	Non-Elec. Image Enhancement	Cancelled
209	Phosphor Viewer	Cancelled
210	Laminated Slides	Completed 4 Sep 64
211	Processing Effects Study	Completed 28 Oct 65
212	Color Acq. System Review	Completed 28 Oct 65
213	Color Reprod. Review	Completed 13 Aug 65
214	Roller Transport Processor (12-Inch)	Closed/TWX 7284 dtd 23 May 66
215	Roller Transport Processor (24-Inch)	Closed/TWX 7284 dtd 23 May 66
216	Laser Photographic Exposure	Completed 12 Feb 65
217	Optimization of Lasers	Completed 9 Nov 65
218	Autofocus Systems	Not to be submitted
219	Opt. vs Contact Pg. 1:1	Not to be submitted
220	Static Elec. Hold-Down	Disapproved

* Formerly called the Briefing Print Enlarger.

-3-✓

SECRET

SECRET

30 Nov 68

PAR	Title	Status
221	Lens Bench Manual	Nct to be submitted
222	Auto Stereo Regstrn System	Completed 3 Mar 65
223	Monochr. Lens System	Disapproved
225	Micro-D Training Program	Terminated
226	Edge Trace Meas., Micro-D	Completed
227	Color Viewer	Disapproved
228	Vectograph Study	Not to be submitted
229	Optical Design Film Viewer	Not to be submitted
230	10X Color Lens	Disapproved
231	10-20-40X Color Lamphouse	Disapproved
232	Automated Edge Trace Device	Disapproved
233	Zoom (6X to 60X) Projection Lens	Terminated/TWX 7878 dtd 26 Jul 66
234	MTF Exposure Device	Disapproved
235	Automation Program Study	Disapproved
236	Film Disposal Rewind Unit	Disapproved
237	Briefing Aids	Completed 25 Jul 65
238	Equipment Installation	Closed/TWX 7284 dtd 23 May 66
239	Administration	Closed
240	Not Assigned	-
241	Not Assigned	-
242A	Color Demonstration Material	Completed 29 Mar 66
243A	 Precision Enlarger*	Completed 22 Sep 67
244	Spare Parts for RT Processors	Completed 21 Nov 67
245	BPE High Magnification Lens Sets	Completed 26 Mar 68
246	RT-12 and RT-24 Operational Improvements	Completed 25 Feb 68

* Formerly called the Briefing Print Enlarger.

-4-✓

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30 Nov 68

<u>PAR</u>	<u>Title</u>	<u>Status</u>
247	Base Spare Parts Kit	Completed 25 Nov 68
248	BPE High-Magnification Lens Set	Completed 15 Nov 68
249	☐ Precision Enlarger Prototype (BPE) Operational Improvements and Maintenance	Active
250	☐ Precision Enlarger Mod II (Prototype)	Awaiting customer action
251	Image Enhancement Studies Using Ring Smear Techniques	Awaiting customer action

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-5-✓

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SECTION II

PAR PROGRESS

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FY-69 Quarterly Report No. 2

25X

PAR 247

30 Nov 68

SUBJECT: Base Spare Parts Kit

TASK/PROBLEM

1. Provide one base spare parts kit for two Precision Enlargers, PAR 243A.

25X

DISCUSSION

2. All parts were received during September and October to complete the kits.

3. The kits have been packed and were shipped to the customer on 25 November 1968.

PLANNED ACTIVITY

4. None. The task is now complete. No final report is required, therefore, this PAR is considered closed.

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FY-69 Quarterly Report No. 2

25X

PAR 248

30 Nov 68

SUBJECT: BPE High-Magnification Lens Set

TASK/PROBLEM

1. Provide one high-magnification lens set (PAR 245) to increase the magnification range of a Precision Enlarger (PAR 243A) at the customer's facility.

DISCUSSION

2. Calibration and testing was completed, and the set was packed and shipped to the customer on 15 November 1968.

PLANNED ACTIVITY

3. None. The task is now complete. No final report is required, therefore, this PAR is closed.

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FY-69 Quarterly Report No. 2

PAR 249

30 Nov 68

SUBJECT: Precision Enlarger Prototype (BPE) Operational
Improvements and Maintenance

TASK/PROBLEM

1. Provide photographic enlarger maintenance at the customer's facility for one Precision Enlarger (BPE) and three 10-20-40X Enlargers.

DISCUSSION

2. Contractor personnel visited the customer's facility twice during the report period and while there performed the following maintenance efforts.

a. During week of 9 September 1968:

(1) The lens barrels were found to be loose in the focus barrels. These were tightened and refocused, and a complete photographic check was made.

b. During week of 28 October 1968:

(1) The non-steering rollers (P/N 1-023-E-405 and 406) were found to be defective. Replacement rollers were sent and installed and tracking tests were satisfactory.

(2) The lamphouse platen assembly (P/N 1-023-C-330) was replaced.

(3) Vertical drive limit switches were installed and checked out OK.

(4) Sealed all lens barrels with RTV.

PLANNED ACTIVITY

3. Perform monthly preventive maintenance on the BPE and the 10-20-40X Enlargers during the week of 9 December 1968.

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